LESSON MAKER PRO

Pair It Up

Find odd and even groups

GRADE 2 · MT.2.OA.3

MT.2.OA.3 "Determine whether a group of objects, up to 20, has an odd or even number of members."

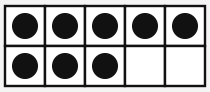
NAME _____ DATE _____

THE PAIR RULE

Put objects into pairs. If every object has a partner, the number is even. If one object is left without a partner, the number is odd.

WORKED EXAMPLE

Each dot stands for one toy car. Is the number of toy cars odd or even?

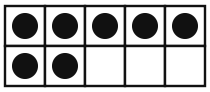


1. Count 8 dots.
2. Put the dots into 4 pairs.
3. No dot is left over.

Answer: Even.

PRACTICE 5 problems

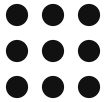
1 Each dot stands for one sticker. How many stickers are there? Is the number odd or even?



ANSWER _____

_____

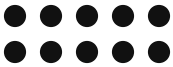
2 Each dot stands for one button. How many buttons are there? Is the number odd or even?



ANSWER _____

_____

3 Each dot stands for one cookie. How many cookies are there? Is the number odd or even?



ANSWER _____

_____

4 A box holds 14 toy blocks. Is the number of blocks odd or even?

ANSWER _____

5 A cup holds 17 pencils. Is the number of pencils odd or even?

ANSWER _____

APPLY IT Show your work

1 Mia has 12 stickers. Can she put them into pairs with none left over?

WORK SPACE

ANSWER _____

2 There are 15 cupcakes at a class party. Is the number of cupcakes odd or even?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Leo has 19 marbles. He says he can put them into pairs with none left over. Is Leo right? Explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Pair It Up

GRADE 2 · MT.2.OA.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Each dot stands for one sticker. How many stickers are there? Is the number odd or even?	**7 stickers; odd.**
2	Each dot stands for one button. How many buttons are there? Is the number odd or even?	**9 buttons; odd.**
3	Each dot stands for one cookie. How many cookies are there? Is the number odd or even?	**10 cookies; even.**
4	A box holds 14 toy blocks. Is the number of blocks odd or even?	**Even.**
5	A cup holds 17 pencils. Is the number of pencils odd or even?	**Odd.**

PART 2 · APPLY IT

1. **Yes.** 12 stickers make 6 pairs with none left over.
2. **Odd.** 15 cupcakes make 7 pairs with 1 left over.

CHALLENGE

No. He can make 9 pairs, but 1 marble is left over.

Accept answers that use pairs or one left over to explain odd and even. For the challenge, accept any clear explanation that 19 is odd.